CLAIMS

- 1. A peptide which comprises any one of the amino acid sequences selected from a group consisting of:
- Arg Tyr Phe Pro Asn Ala Pro Tyr Leu (SEQ ID NO: 2),
 Arg Tyr Pro Gly Val Ala Pro Thr Leu (SEQ ID NO: 3),
 Arg Tyr Pro Ser Cys Gln Lys Lys Phe (SEQ ID NO: 4),
 Ala Tyr Leu Pro Ala Val Pro Ser Leu (SEQ ID NO: 5), and

Asn Tyr Met Asn Leu Gly Ala Thr Leu (SEQ ID NO: 6).

2. The peptide according to claim 1, which consists of any one of the amino acid sequences selected from a group consisting of SEQ ID

NOs: 2, 3, 4, 5, and 6.

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- 3. A peptide which comprises an altered amino acid sequence wherein an alteration of an amino acid residue is comprised in any one of the amino acid sequences selected from a group consisting of SEQ ID NOs: 2, 3, 4, 5, and 6, and which has an activity to induce a CTL in an HLA-A24-restricted manner, except for a peptide comprising the amino acid of SEQ ID NO: 7.
- 4. The peptide according to claim 3, which comprises an altered amino acid sequence wherein leucine at position 9 in any one of the amino acid sequences selected from a group consisting of SEQ ID NOs: 2, 3, 5, and 6 is substituted by phenylalanine, tryptophan, isoleucine, or methionine.
- 5. The peptide according to claim 3, which comprises an altered amino acid sequence wherein phenylalanine at position 9 in the amino acid sequence of SEQ ID NO: 4 is substituted by tryptophan,

leucine, isoleucine, or methionine.

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- 6. The peptide according to claim 3, which comprises an altered amino acid sequence wherein cysteine at position 5 in the amino acid sequence of SEQ ID NO: 4 is substituted by alanine, serine, or a-aminobutyric acid (SEQ ID NO: 66, 67, or 68).
- 7. The peptide according to any one of claims 3 to 6, which consists of an altered amino acid sequence wherein an alteration of an amino acid residue is comprised in any one of the amino acid sequences selected from a group consisting of SEQ ID NOs: 2, 3, 4, 5, and 6.
- 8. A polynucleotide which encodes the peptide according to any one of claims 1 to 7.
- 9. The polynucleotide according to claim 8, which encodes any one of the amino acid sequences selected from the group consisting of SEQ ID NOs: 2 to 6, and 66 to 68.
- 10. An expression vector which contains the polynucleotide of claim 8 or 9.
 - 11. A cell which comprises the expression vector of claim 10.
- 12. A process for preparing a peptide according to any one of claims 1 to 7, which comprises culturing the cell according to claim 11 in a condition operable for the expression of peptides.
- 13. An antibody which specifically binds to the peptide according to any one of claims 1 to 7.
- 14. An antigen-presenting cell on which a complex between a cancer antigen peptide derived from the peptide according to any one of claims 1 to 7 and an HLA-A24 antigen is presented.

- 15. The antigen-presenting cell according to claim 14, on which a complex between a cancer antigen peptide consisting of any one of the amino acid sequences selected from the group consisting of SEQ ID NOs: 2 to 6 and 66 to 68 and an HLA-A24 antigen is presented.
- 16. A CTL which recognizes a complex between a cancer antigen peptide derived from the peptide according to any one of claims 1 to 7 and an HLA-A24 antigen.
- 17. The CTL according to claim 16, which recognizes a complex between a cancer antigen peptide consisting of any one of the amino acid sequences selected from the group consisting of SEQ ID NOs: 2 to 6 and 66 to 68 and an HLA-A24 antigen.
- 18. A pharmaceutical composition which comprises the peptide according to any one of claims 1 to 7, the polynucleotide according to claim 8 or 9, the expression vector according to claim 10, the cell according to claim 11, the antigen-presenting cell according to claim 14 or 15, or the CTL according to claim 16 or 17, together with a pharmaceutically acceptable carrier.
- 19. A cancer vaccine which comprises as an effective ingredient the peptide according to any one of claims 1 to 7, the polynucleotide according to claim 8 or 9, the expression vector according to claim 10, the cell according to claim 11, the antigenpresenting cell according to claim 14 or 15, or the CTL according to claim 16 or 17.
- 20. Use of the peptide according to any one of claims 1 to 7, the polynucleotide according to claim 8 or 9, the expression vector according to claim 10, the cell according to claim 11, the antigen-

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presenting cell according to claim 14 or 15, or the CTL according to claim 16 or 17, in the manufacture of a cancer vaccine.

- 21. A method for treatment or prevention of a cancer, which comprises administering a therapeutically or prophylactically effective amount of the peptide according to any one of claims 1 to 7, the polynucleotide according to claim 8 or 9, the expression vector according to claim 10, the cell according to claim 11, the antigenpresenting cell according to claim 14 or 15, or the CTL according to claim 16 or 17, to a cancer patient in need who is positive for an HLA-A24, and positive for WT1.
- 22. A pharmaceutical composition which comprises any one of the substances selected from the group consisting of:

 a) a peptide which comprises the sequence of Arg Val Pro Gly Val Ala

 Pro Thr Leu (SEQ ID NO: 7),
- b) a polynucleotide which encodes the peptide as shown above a),c) an expression vector which comprises the polynucleotide as shown above b),
- d) a cell which comprises the expression vector as shown above c),
 e) an antigen-presenting cell on which a complex between a cancer
 antigen partide derived from the pertide as shown above a) and an
- antigen peptide derived from the peptide as shown above a) and an HLA-A24 antigen is presented, and
- f) a CTL which recognizes a complex between a cancer antigen peptide derived from the peptide as shown above a) and an HLA-A24 antigen, together with a pharmaceutically acceptable carrier.
- 23. A cancer vaccine which comprises as an effective ingredient any one of the substances selected from the group consisting

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of:

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- a) a peptide which comprises the sequence of Arg Val Pro Gly Val Ala Pro Thr Leu (SEQ ID NO: 7),
- b) a polynucleotide which encodes the peptide as shown above a),
- c) an expression vector which comprises the polynucleotide as shown above b),
- d) a cell which comprises the expression vector as shown above c),
- e) an antigen-presenting cell on which a complex between a cancer antigen peptide derived from the peptide as shown above a) and an HLA-A24 antigen is presented, and
- f) a CTL which recognizes a complex between a cancer antigen peptide derived from the peptide as shown above a) and an HLA-A24 antigen.
- 24. Use of any one of the substances selected from the group consisting of:
- a) a peptide which comprises the sequence of Arg Val Pro Gly Val Ala Pro Thr Leu (SEQ ID NO: 7),
- b) a polynucleotide which encodes the peptide as shown above a),
- c) an expression vector which comprises the polynucleotide as shown above b),
- d) a cell which comprises the expression vector as shown above c),
- e) an antigen-presenting cell on which a complex between a cancer antigen peptide derived from the peptide as shown above a) and an HLA-A24 antigen is presented, and
- f) a CTL which recognizes a complex between a cancer antigen peptide derived from the peptide as shown above a) and an HLA-A24 antigen, in the manufacture of a cancer vaccine.

- 25. A method for treatment or prevention of a cancer, which comprises administering a therapeutically or prophylactically effective amount of any one of the substances selected from the group consisting of:
- a) a peptide which comprises the sequence of Arg Val Pro Gly Val Ala Pro Thr Leu (SEQ ID NO: 7),

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- b) a polynucleotide which encodes the peptide as shown above a),
- c) an expression vector which comprises the polynucleotide as shown above b),
- d) a cell which comprises the expression vector as shown above c),
- e) an antigen-presenting cell on which a complex between a cancer antigen peptide derived from the peptide as shown above a) and an HLA-A24 antigen is presented, and
- f) a CTL which recognizes a complex between a cancer antigen peptide derived from the peptide as shown above a) and an HLA-A24 antigen, to a cancer patient in need who is positive for an HLA-A24, and positive for WT1.